DERWENT-ACC-NO: 1998-313490
DERWENT-WEEK: 200018
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TITLE: ATM link statistical multiplexing method with
two-level classification
- provides e.g. 10 percent more virtual connections by
subdivision of class
characterised by more favourable results of sigma rule
algorithm

INVENTOR: LAMPE, D; WALLMEIER, E

PATENT-ASSIGNEE: SIEMENS AG[SIEI]

PRIORITY-DATA: 1996DE-1049649 (November 29, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
DE 19649649 A1	June 4, 1998	N/A
007	H04L 012/56	
AU 715702 B	February 10, 2000	N/A
000	H04Q 011/04	
WO 9824260 A1	June 4, 1998	G
000	H04Q 011/04	
AU 9853068 A	June 22, 1998	N/A
000	H04Q 011/04	
EP 941630 A1	September 15, 1999	G
000	H04Q 011/04	
CN 1238897 A	December 15, 1999	N/A
000	H04Q 011/04	

DESIGNATED-STATES: AU CA CN US AT BE CH DE DK ES FI FR GB
GR IE IT LU MC NL PT S
E AT BE CH DE ES FR GB IT LI NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
	APPL-DATE	
DE 19649649A1	N/A	1996DE-1049649
	November 29, 1996	
AU 715702B	N/A	1998AU-0053068
	November 7, 1997	

AU 715702B	Previous Publ.	AU 9853068
N/A		
AU 715702B	Based on	WO 9824260
N/A		
WO 9824260A1	N/A	1997WO-DE02601
November 7, 1997		
AU 9853068A	N/A	1998AU-0053068
November 7, 1997		
AU 9853068A	Based on	WO 9824260
N/A		
EP 941630A1	N/A	1997EP-0949881
November 7, 1997		
EP 941630A1	N/A	1997WO-DE02601
November 7, 1997		
EP 941630A1	Based on	WO 9824260
N/A		
CN 1238897A	N/A	1997CN-0180131
November 7, 1997		

INT-CL (IPC): H04L012/56; H04Q011/04

ABSTRACTED-PUB-NO: DE 19649649A

BASIC-ABSTRACT: The method provides a number of virtual connections for
transmission of ATM cells over a connecting line, and further connections
divided into two classes. Class S covers all virtual connections for which the
sigma rule gives significantly better statistical multiplexing than peak cell
rate reservation. Class P covers all other virtual connections and especially
those with constant bit rate.

Subdivisions of Class S are defined by a lower or upper limit of peak cell rate
and the ratio of sustainable to peak rate. Transmission parameters or their
combinations are stored at a network node and actualised when an ATM link is
set up or broken.

ADVANTAGE - ATM cell transmission is more efficient with automatic selection of
most favourable class.

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS:
ATM LINK STATISTICAL MULTIPLEX METHOD TWO LEVEL CLASSIFY
MORE VIRTUAL CONNECT
SUBDIVIDED CLASS CHARACTERISTIC MORE FAVOUR RESULT SIGMA
RULE ALGORITHM

DERWENT-CLASS: W01

EPI-CODES: W01-A03B1; W01-A06G2;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1998-245705 .